

CARSON RIVER BASIN, CARSON DESERT

10312210 STILLWATER POINT RESERVOIR DIVERSION CANAL NEAR FALLOON, NV

LOCATION.--Lat 39°28'23.89", long 118°35'55.06" referenced to North American Datum of 1983, in NE 1/4 NE 1/4 sec. 34, T.19 N., R.30 E., Churchill County, Hydrologic Unit 16050203, on left bank, 0.2 mi downstream from a diversion structure for Stillwater Slough, and 9.8 mi east of Fallon.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1967 to September 1981 (monthly discharge only), October 1990 to September 1992, January 1993 to current year. Prior to October 1992, published as Stillwater Diversion Canal near Fallon.

GAGE.--Water-stage recorder. Elevation of gage is 3,915 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to September 1981, gage at same site and datum on right bank.

REMARKS.--Records good except for estimated daily discharges, which are poor. [See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft³/s, January 29, 1997; no flow several days many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100 ft³/s, October 20, gage height, 3.68 ft; minimum daily discharge, 0.79 ft³/s, March 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	87	4.3	e3.1	3.3	1.9	3.5	35	35	39	46	47
2	42	87	4.4	e3.1	3.5	5.7	3.4	34	39	39	47	47
3	42	83	4.5	e3.2	3.2	7.6	e6.2	33	38	37	48	49
4	45	84	4.1	3.3	3.3	4.0	e7.0	37	38	36	43	57
5	43	89	3.9	3.3	3.2	2.9	e4.6	36	39	35	40	58
6	41	66	3.5	3.2	3.1	2.1	e3.0	38	39	38	43	56
7	41	55	3.5	3.7	2.7	2.1	e3.2	39	43	39	42	62
8	41	54	3.1	3.8	2.3	2.0	3.6	38	40	37	40	65
9	40	68	2.8	3.8	2.4	1.8	3.4	41	39	35	40	60
10	40	76	3.0	3.6	2.5	1.8	3.8	54	38	36	38	58
11	39	65	3.1	3.6	2.5	1.8	6.6	54	43	36	37	57
12	39	42	3.1	3.5	2.5	1.8	8.0	45	47	36	39	54
13	39	13	3.0	3.5	2.5	1.7	6.4	41	43	43	40	61
14	37	15	2.9	3.5	2.7	1.7	6.6	43	40	53	44	62
15	38	9.8	2.7	3.5	2.8	1.5	4.8	44	40	52	44	59
16	39	7.9	2.5	3.5	2.2	1.5	7.1	49	40	51	47	60
17	38	7.0	2.3	3.6	2.1	1.4	6.4	43	36	50	45	63
18	63	6.2	2.8	3.7	1.9	1.4	6.0	37	34	47	44	64
19	85	6.2	2.8	3.6	1.6	1.1	6.3	42	40	47	46	65
20	93	5.9	3.2	3.6	1.6	1.1	11	37	44	50	43	63
21	88	5.5	3.2	3.3	1.8	3.4	6.8	39	48	51	44	60
22	82	5.0	2.8	3.3	1.9	1.3	5.2	39	46	53	45	57
23	79	4.4	2.9	3.3	1.8	0.85	4.9	38	47	53	45	64
24	74	4.3	3.1	3.7	1.8	0.79	3.9	40	49	53	46	65
25	70	4.7	3.2	3.6	1.6	1.0	4.4	37	44	50	46	56
26	75	4.9	3.3	3.4	1.8	1.5	5.7	33	37	45	45	59
27	86	4.7	2.6	3.8	2.1	2.1	4.6	33	37	46	46	62
28	87	4.7	2.3	3.7	2.2	2.3	9.8	34	35	47	47	57
29	72	4.6	2.8	3.8	2.0	2.4	33	37	33	44	46	55
30	84	4.4	3.2	3.5	---	2.1	35	41	32	45	46	53
31	85	---	3.1	3.4	---	2.3	---	37	---	44	45	---
TOTAL	1,808	974.2	98.0	108.5	68.9	66.94	224.2	1,228	1,203	1,367	1,357	1,755
MEAN	58.3	32.5	3.16	3.50	2.38	2.16	7.47	39.6	40.1	44.1	43.8	58.5
MAX	93	89	4.5	3.8	3.5	7.6	35	54	49	53	48	65
MIN	37	4.3	2.3	3.1	1.6	0.79	3.0	33	32	35	37	47
AC-FT	3,590	1,930	194	215	137	133	445	2,440	2,390	2,710	2,690	3,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	35.6	14.9	4.36	17.2	17.0	26.0	11.8	46.5	45.0	30.7	30.2	34.5
MAX	94.1	32.5	7.69	197	193	139	31.7	118	120	58.4	45.3	65.2
(WY)	(2002)	(2004)	(1991)	(1997)	(1997)	(1996)	(1996)	(1995)	(1995)	(1995)	(2003)	(2002)
MIN	1.91	1.56	0.94	0.76	1.26	0.42	1.19	5.71	5.12	6.94	1.78	0.00
(WY)	(1995)	(1995)	(1995)	(1993)	(1993)	(2003)	(1993)	(1992)	(1991)	(1991)	(1992)	(1992)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1991 - 2004
ANNUAL TOTAL	9,207.92	10,258.74	
ANNUAL MEAN	25.2	28.0	26.9
HIGHEST ANNUAL MEAN			68.4
LOWEST ANNUAL MEAN			4.97
HIGHEST DAILY MEAN	93	Oct 20	256
LOWEST DAILY MEAN	0.00	Mar 10	0.00
ANNUAL SEVEN-DAY MINIMUM	0.03	Mar 9	0.00
ANNUAL RUNOFF (AC-FT)	18,260	20,350	19,510
10 PERCENT EXCEEDS	58	60	62
50 PERCENT EXCEEDS	14	36	11
90 PERCENT EXCEEDS	1.3	2.2	1.6

e Estimated